



Computer Science AS-BS

One Degree
Two Pathways



UNIVERSITY

A

ENGLISH 1301

ENGLISH 1302

*MATH 2413 (Calculus)

OPEN

OPEN

OPEN

OPEN

OPEN

OPEN

GOVT 2305

GOVT 2306

OPEN

OPEN

OPEN

CORE CURRICULUM

10 Communication

10 Communication

20 Mathematics

30 Life & Physical Sciences

30 Life & Physical Sciences

40 Language/Philosophy/Culture

50 Creative Arts

60 American History

60 American History

70 Govt/Political Science

70 Govt/Political Science

80 Social & Behavioral Science

90 Add. Communication

90 Add. Language/Philosophy/Culture

ENGLISH 1301

ENGLISH 1302 **OR 2311**

*MATH 2413 (Calculus)

PHYS 2425 (Univ. Physics I)

PHYS 2426 (Univ. Physics II)

OPEN

OPEN

HIST 1301

HIST 1302

GOVT 2305

GOVT 2306

OPEN

MATH 1442/1342 (Statistics)

MATH 2414 (Calculus II)



YES

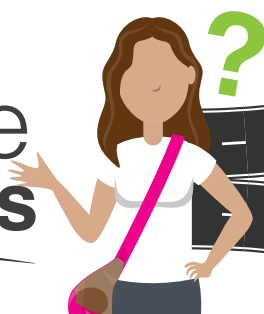
CORE COMPLETE

NO

***MATH 2413** has a pre req of Math 2412 Pre-Calculus, which has a pre-req of Math 1414 (8 hrs of pre-reqs are required to get to the degree requirement of Math 2413 Calculus). ***PHYS 2425** has a pre-req of Math 2413 Calculus and **PHYS 2426** has a pre-req of PHYS 2425 and Math 2414 Calculus II – which makes sequencing important.

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UNIVERSITY | A

COSC 1336

COSC 1437

COSC 2336 OR 2436
NOT DEGREE REQUIRED

COSC 2325 OR 2425
NOT EQUIVALENT

MATH 2413

MATH 2414

PHYS 2425
NOT DEGREE REQUIRED

PHYS 2426
NOT DEGREE REQUIRED

15 SCH TOTAL

FIELD OF STUDY

COSC 1336 **OR** 1436

COSC 1337 **OR** 1437

COSC 2336 **OR** 2436

COSC 2325 **OR** 2425

MATH 2313 **OR** 2413

MATH 2314 **OR** 2414

PHYS 2425

PHYS 2426

26-32 SCH TOTAL

COSC 1336

COSC 1337

COSC 2336

COSC 2325

MATH 2413

MATH 2414

PHYS 2425

PHYS 2426

28 SCH TOTAL

NO — **FIELD OF STUDY COMPLETE** — **✓ YES**

UNIVERSITY | A

65 Hrs

70 Hrs

UNIVERSITY | B

THECB Notes:

1. COSC 1336/1436 and 1337/1437 are preparatory and sequential in nature; however, not all courses are required for the Computer Science major at all universities, but may apply to general degree requirements.

a) COSC 1336/1436 is not part of the Computer Science major requirements at The University of Texas at Austin, University of Texas at Arlington, University of Texas at Dallas, and Texas A & M University. b) COSC 1337/1437 is not part of the Computer Science major requirements at The University of Texas at Austin. Preparatory courses such as COSC 1336/1436 and COSC 1337/1437 will assist students that need additional background but do not apply toward the computer science major requirements.

2. COSC 2325/2425 is not part of the Computer Science major requirements at the University of Texas at Austin or Texas A&M University, but may be applied to general degree requirements.

3. It is recommended that students complete the math sequence, physics sequence, and computer science sequence at the same institution to reduce the likelihood of potential gaps in the curriculum.